<u>What Is Claimed Is:</u>

1.   A method for analyzing a network infrastructure, the method comprising steps of:

        (a)   generating a graphical representation of the network infrastructure wherein the graphical representation represents physical locations of the network infrastructure on a geographic map;

        (b)   testing a portion of the network infrastructure with an OTDR signal to generate an OTDR trace;

        (c)   displaying the OTDR trace resulting from step (b),

                (A)   linking a cursor position on the OTDR trace displayed in step (c) with an actual location on the graphical representation generated in step (a).

2.   The method of claim 1 further comprising a step of (e) displaying the cursor position linked in step (d) on the graphical representation generated in step (a).

3.   A method for analyzing a network infrastructure, the method comprising the steps of:

        (a)   generating a graphical representation of the network infrastructure wherein the graphical representation represents physical locations of the network infrastructure on a geographic map;

        (b)   generating a logical representation of the network infrastructure wherein the logical representation represents corrections in the network infrastructure; and

        (c)   selectively displaying the graphical representation and logical representation.

4.   The method of claim 3 further comprising a step (d) of modeling select equipment in the network infrastructure.

5.   The method of claim 4 further comprising a step (e) of displaying the select equipment modeled in step (d).

6.   A computer program for modeling a network infrastructure, comprising:
    (a)   a mapping workspace program for generating a graphical representation of the network infrastructure, wherein the graphical representation represents physical locations of the network infrastructure on a geographic map;
    (b)   a testing program for linking a position of a cursor on the OTDR trace with an actual location on the geographical representation.

7.   A computer-readable medium having computer-executable instructions for the method recited in claim 1.

8.   A computer-readable medium having computer-executable instructions for the method recited in claim 3.

9.   A computer data signal embodied in a carrier wave readable by a computing system and encoding a computer program of instructions for executing a computer program of instruction for executing a computer program performing the method recited in claim 1.

10.   A computer data signal embodied in a carrier wave readable by a computing system and encoding a computer program of instructions for executing a computer program of instruction for executing a computer program performing the method recited in claim 3.

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